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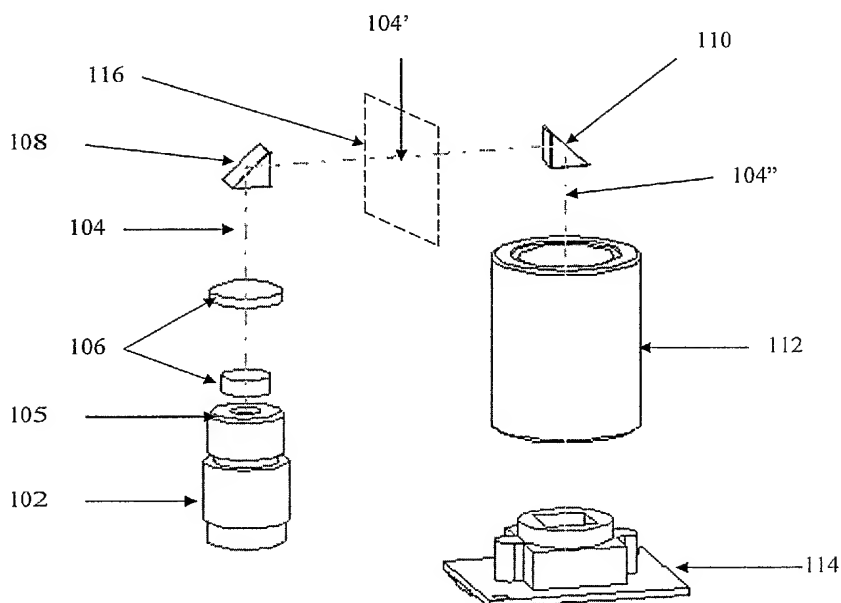
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(54) Title: OPTICAL APPARATUS FOR MEASURING TOOLING POSITION WITHIN A SEAMING MACHINE



(57) Abstract: The present invention provides an optical device for measuring characteristics of toolings (116), especially chuck and roll in a seamer. The optical device comprises a radiation source (102) adapted to generate radiation, means (106, 108) for diverting the radiation so as to pass through a profile in the toolings (116), and a detector (114) adapted to receive the radiation that passed through the profile. The characteristics of the toolings (116) such as the profiles of a gap between the chuck and the roll, are processed from the detected radiation that passes through the profile.

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